
IT Plan – Agency Submitted

627 UPPER GREAT PLAINS TRANS INST

Version: 2007-B-01-00627

Project: Infrastructure

Date: 10/13/2006

Time: 7:21:22 AM

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Agency IT Overview

Agency IT Plan Contact Data

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Agency Technology Goals And Objectives

The Upper Great Plains Transportation Institute will continue to provide its employees with the most up-to-date technology in order to provide the best possible support to our clients and customers.

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1. If applicable, describe the reason for any extraordinary increase or decrease in your infrastructure costs.

2. Total number of desktop computers: 86
Number of desktops for which you are requesting replacement funding: 10
Average replacement cost/desktop: 2,500

3. Total number of laptop computers: 72
Number of laptops for which you are requesting replacement funding: 10
Average replacement cost/laptop: 3,500

What state planning region are these desktop/laptop computers located?

Region 1 0 2 0 3 0 4 0 5 135 6 0 7 3 8 0

4. What percentage of these pcs are running the following operating systems:

(total should be equal to 100%)

Windows 98 0 %
Windows NT 0 %
Windows 2000 0 %
Windows XP 99 %
Other 1 %

5. What additional expenditures are being paid out of non-appropriated funds? 0

Please explain:

Agency Technology Activities

The UGPTI has experienced significant growth during the past biennium. The Institute will continue to upgrade computers and software through FTE growth. The TLN videoconference network migrated from ISDN to IP which has provided us significant savings in network expenditures.

SuperPave Design Lab - The pavement design lab was not funded during the last biennium, however, it will be requested again this biennium. The SuperPave lab equipment will be used to support the development of an advanced materials testing lab. SuperPave is a relatively new technique for the design of bituminous paving materials and the associated lab equipment can be used to develop new pavement material designs. This service will be useful to the NDDOT and other agencies and private entities throughout the state as well as aid in positioning UGPTI and the university for national research work in advanced materials development. Graduate and undergraduate students will benefit from the experience in advanced testing and material equipment. Establishing the advanced materials test lab is an important factor in the future evolution of pavement materials and maximizing performance.

Driver Simulation Equipment - A basic influence to transportation safety involves the human element. Whether it be the younger driver, the older driver, experience under certain conditions or mental attitudes, a variety of combinations for driver reactions can be anticipated. The roadway environments around a driver also influence driver's reactions and

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expectations in both a rural and urban setting. The equipment will be purchased to test the relationship of the driver's reaction and expectations in a rural environment. The results will be used to help the NDDOT, local road agencies and tribal governments to improve the rural road infrastructure to reduce accidents. Opportunities will be pursued to integrate simulation training experiences into the commercial vehicle driver rural safety research projects and commercial vehicle operator training and certificate programs such as the beginning truck driver course offered at the Skills and Technology Training Center in Fargo.

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		CURRENT APPROPRIATION	BUDGET REQUEST	OPTIONAL ADJUSTMENTS	REQUEST PLUS OPTIONALS	SUBSEQUENT BIENNIUM
IT5110	SALARIES - PERMANENT	\$0	\$96,620	\$0	\$96,620	\$0
IT5160	FRINGE BENEFITS	\$0	\$29,884	\$0	\$29,884	\$0
IT5310	IT SOFTWARE AND SUPPLIES	\$0	\$166,765	\$0	\$166,765	\$0
IT5510	IT EQUIPMENT UNDER \$5000	\$0	\$158,144	\$0	\$158,144	\$0
IT6010	IT DATA PROCESSING	\$0	\$89,765	\$0	\$89,765	\$0
IT6020	IT COMMUNICATIONS	\$0	\$300,478	\$0	\$300,478	\$0
IT6030	IT CONTRACT SERVICES & REPAIRS	\$0	\$0	\$0	\$0	\$0
IT6930	IT EQUIPMENT OVER \$5000	\$0	\$300,000	\$0	\$300,000	\$0
Total Budget:		\$0	\$1,141,656	\$0	\$1,141,656	\$0
001	STATE GENERAL FUND	\$0	\$110,296	\$0	\$110,296	\$0
352	TRANSPORTATION INSTITUTE FUND 352	\$0	\$300,223	\$0	\$300,223	\$0
Z627	UNIVERSITY TRANSPORTATION CENTERS	\$0	\$731,137	\$0	\$731,137	\$0
Total Funding:		\$0	\$1,141,656	\$0	\$1,141,656	\$0